

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: JayMiller@aol.com  
Subject: [2506] "QRP AField", Sept. 21, 1996/One NM Site  
Message-ID: <960812141901\_382807693@emout10.mail.aol.com>

Dear Fellow QRP Compadres,

Well, Sept. 21, 1996 is fast approaching. If You need detailed information, about this upcoming event, sponsored by those fast talking People of the New England QRP Club, contact Chester Bowles, AA1EX via bowles@cmf.org. Hint: It's also in the archives of the QRP-L too.

As for the SW contingent of the NE QRP Club, we will be at the following Lat. & Long.

Lat. 34 degrees 40' 51.0" N

Long. 106 degrees 20' 41.5" W

elevation: 7,128 feet asl

It's somewhere in New Mexico, east of the Rocky Mountains. ;-)

K8BI & I had checked out the site yesterday. Despite the fact that we will have some 4 legged visitors, let's see, 4 grown Chow Dogs, 1 German Shepard, 1 Sitter, plus a few horses and a whole forest of small Brown Bears & Bobcat, at least the snakes will still reside with the Az. scQRPions (Great photo, last April Guys). Wind ? Ha ha, we are in a group of pines, and hopefully, if the wind finds us, the trees will be the wind break, well, we hope. Hmmm, this is also an area where Pine trees make great lightning arrestors too. We had seen evidence of that yesterday. Trust us, we are keeping with the theme, we will have photos to prove it. (The Theme: "Towers" or "Lighthouses", except in Nevada). We will have 5 watts, into a 20 meter wire beam, pointed towards New England, and a 40 meter dipole. So, listen for K8BI, WA5WHN, NA5N, N5ZGT + others, from that Lat. & Long.. Let's see 599, NM, NE #454, now I have it loaded into my Thermo-Nuclear powered AK-1 Intergalactic (Oops, that's next year, sorry... for the NorCal "QRP To The Field", where the term "CQ DX" will have a whole different meaning <big grin>). Well, suffice it to say, we will be ready, and we are pumped for this event. Might even have a couple of 6 meter SSB/CW radios along too. Sporadic E may provide some interesting conditions.

Anyone else heading out, on Sept. 21st, for the New England QRP Club's "QRP AField" ? Ah, come on People, this is the last Field event until next Spring, well sort of, (AA7QU & Wilderness Group). Remember, pictures & put them on the web, after the event.

"72"...Jay, WA5WHN NE #454

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
Subject: [2525] (Fwd) New G-QRP and Kanga Product Home Page  
Message-ID: <199608122219.SAA12015@brutus.bright.net>

I managed to send this out to the list last night without the key piece of info in it - the URL... Her it is again with the URL included!

I received a note from G0BPS who asked me to post a note to QRP-L and let everyone know that:

He has put up a home page for the G-QRP Club. It contains basic information about the club such as how to join, and who to contact about various functions of the club.

The URL is <http://www.kanga.demon.co.uk>

There is also a link to it from my home page (URL in the signature below)

He also has (at the same URL) a web page covering all the Kanga Products kits that he produces in the UK

73 - Bill Kelsey - N8ET  
Kanga US  
kanga@bright.net  
419-423-4604  
<http://qrp.cc.nd.edu/kanga/>

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Claudio Watanabe <watanabe@matrix.com.br>  
Subject: [2477] 10m qrp rigs  
Message-ID: <9608121159.AA18644@amauri.matrix.com.br>

Hi everybody,

I'm new in amateur radio but being researching a lot for getting a qrp rig. I have not have my license yet, but will in a couple of weeks. I have been researching a lot of kits and found out that the best ones works on 20m. I was just about to buy a MFJ-9420X with a CW adapter when i found out that in Brasil the license I'm going to have does not permit QSO's in 20m. Only the top level license does (I'm going for one just below it,

radioelectronics test and 10wpm) . Well, I was figuring out that 40m. would be a nice one to have now, but I was wondering, does it have some nice qrp rig that works on 10m, or has anybody have a QSO from Brasil (PP/PY) in 15m, 30m or 40m. If not, I think I will stick with a 40m and have local QSO's only and leave 10m for QRO for the States. The kit can be of any level kit builder because I am just graduating in eletronic engineering at the end of the year.

Thanks in advance,

Cl=E1udio Watanabe  
watanabe@matrix.com.br  
claudio@grucad.ufsc.br  
<http://www.grucad.ufsc.br/~claudio/>

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>  
Subject: [2478] Amidon  
Message-ID: <9608120833.aa10694@COR6.PICA.ARMY.MIL>

I need the latest and greatest address and phone for Amidon

I need to get some more toroids

Clark Fishman WA2UNN cfishman@pica.army.mil

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>  
Subject: [2494] Amidon  
Message-ID: <9608121219.aa15685@COR6.PICA.ARMY.MIL>

Tnx to all for Amidon info

Clark

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [2533] Audio Hiss Mods  
Message-ID: <2.2.32.19960812235941.0085ee1c@public.compusult.nf.ca>

QRP-L Gang,

I plucked this off the GQRP-L (thanks guys/gals) and what follows is a posting from Peter G3XJS on a mod that is probably applicable to many for the MC1350/LM386 designs.

Thanks Peter - 73/72 Bob V01DRB/WA6ERB

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From: Peter Barville <peter@barville.demon.co.uk>  
From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: John Dorson K2JHU Real Estate Consultant <jdorson@bbs.mpcs.com>  
Subject: [2530] Backpacker II mods  
Message-ID: <199608130013.UAA29249@bbs.mpcs.com>

Just became the proud owner of a Backpacker II rig for 30 mtrs.

Had my first contact yesterday, just a short one due to band conditions.

Was wondering today if anyone has any mods for this fine rig.

John

72s & 73s K2JHU...

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: BWHITTEM@mailgw.sanders.lockheed.com  
Subject: [2486] boy scouts and murphy  
Message-ID: <20f3bb80@mailgw.sanders.lockheed.com>

well the scout trip was awesome but was unable to get on the air. i had my sw30 with me but when i hooked up the antenna it was deaf. i tore into it when i got home and found that the wire from the board to the antenna jack had broken. oh well it was a 5 minute fix at home with the soldering iron. oh well there will be other trips.

73 and 72

barry

wb1edi

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: wq8q@juno.com (Rick Tyler)

Subject: [2491] Cincinnati Hamfest  
Message-ID: <19960812.120729.7271.4.wq8q@juno.com>

Anybody on the list going to be at the Cincinnati Hamfest on 18 August???

Look for me (if the weather cooperates) sitting on the back of a red pickup truck in the flea market are trying (once again) to unload a Drake TR4C and RV4C . . . so I can buy some QRP stuff!

73/72 de Rick, WQ8Q  
Cincinnati

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: BParkes@aol.com  
Subject: [2476] CW  
Message-ID: <960812074838\_454323604@emout13.mail.aol.com>

Howdy, this is my first attempt to say Howdy to everyone here. Have sent msgs to some folks with comments and ideas.

I like CW better than most modes. But to have more folks to talk to, I like the slower CW speeds. Like to haunt the 40 mtr novice bands but also spread out to other bands, do want to get WAS before I'm 50! I have tried other ways to send CW but always return to a straight key. Like the feel and the sound of it. Plus folks can tell your fist after awhile. And it is very easy to change speeds. Do have a little frustration with stations that send 2-3 words a min, feel like I could go down stairs and get supper while they send their QTH the second time, but it helps others enjoy CW so what the heck.

If someone sends faster than I feel like copying, I press on to another station or send CQ. It is a hobby. Have enough stress at work (I'm a nurse) and Ham radio is for fun. Hope to hear you all on the bands, my HW-9 is doing well.

73 BRUCE KA2ZGW

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Rick Miller <rick@DigalogSys.com>  
Subject: [2503] CW vs MCW on 11 meters  
Message-ID: <Pine.LNX.3.91.960812121327.2828A-100000@net.digalogsys.com>

Hi!

My son Alex isn't yet to the point where he'd be able to get a ham ticket, but he's interested in the Morse. My idea is to buy a cheap-o pair of "Space Ranger" walkie-talkies for \$10 at K-mart and modify them.

I know it's 11 meters but QRP-L isn't just for hams, is it?

Anyway, I've got a few questions that maybe some of you could help me with...

Is plain CW even \*allowed\* on the 11 meter band? The kids' toys typically come with a button for sending Morse (with the alphabet on the front), but I'm pretty sure it's sending Modulated CW (MCW).

What's a good way to modify one of those toys to transceive CW? I don't know where I'd get a schematic for one of these things, so I may have trouble finding where to "dig in".

Maybe it would be better to just wire the Morse button to a jack for an external key? Doesn't MCW give much less range than CW?

Rick Miller (kb9obn) rdmiller@execpc.com

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "John P. Spoonhower" <spoon@kodak.com>  
Subject: [2510] dan's small parts URL  
Message-ID: <320F7E30.7718@kodak.com>

Do one of you guys have the URL to Dan's Small Parts?  
I tried <http://www.fix.net/dans.html> but there's no such document.

72, John kc2du

--

#####	John Spoonhower
## ##	Analytical Technology Division
## ##	Bldg 82C, Floor 2
## #	Eastman Kodak Company
## ODAK	Rochester, New York 14650-2132 USA
## #	phone: (716)588-6173
## ##	Internet: spoon@kodak.com
#####	

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Jerry Parker <jparker@fix.net>  
Subject: [2528] Dans Small Parts URL  
Message-ID: <2.2.32.19960812233509.00b88f24@fix.net>

NO Dans has not dissappeared.

Yes his catalog is on the internet.

California Power failure wiped out the server and reset the shortcut to dans. It has been fixed.

<http://www.fix.net/dans.html>

if you have a problem with it try <http://www.fix.net/~jparker/dans.html>

Dans Summer Specials are on the page now also.

72,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: jim parsons <k5rov@webstar.net>  
Subject: [2473] DECALS/PANEL MARKERS  
Message-ID: <1.5.4.16.19960812002129.2fff62a6@webstar.net>

I DO A LOT OF BUILDING BUT I HAVE NOT USED DECALS, OR PRESS-ON MARKERS TO MARK MY CONTROLS FOR A LONG TIME. THE ONLY MARKERS I CAN FIND IS AT RADIO SHACK, AND THEY NEVER HAVE THE WORDS I NEED TO GET THE JOB DONE.

YEARS AGO WE USED DECALS THAT WE WOULD CUT OUT. THEN WE WOULD SPRAY WITH CLEAR SPRAY. BUT I HAVE NOT SEE ANY DECALS OR PANEL MARKERS IN A LONG TIME. AND, I HAVE NO WAY TO SILK SCREEN. ANYWAY, A SINGLE JOB WOULD NOT BE WORTH THAT MUCH EFFORT.

I WONDER WHERE YOU BUILDERS, WHOSE BEAUTIFUL WORK IS SEEN ON SOME OF THE INTERNET PAGES, ARE GETTING YOUR MARKERS? I SURE WOULD LIKE TO FIND THE SOURCE.

THANKS AND 73 TO ALL....

JIM, K5ROV  
SAN ANGELO, TX

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>  
Subject: [2513] FS- OHR EXP II 40M  
Message-ID: <9607128398.AA839881784@smtpgw.ccgate.dl.nec.com>

Gang:

Just in time for fox season -

Hate to part with this, but I promised my  
wife that I would when I picked up the  
FT-840 in June.

Explorer II for 40m - Bought and built in 12/95.  
Works great aligned for 7000 - 7050 kHz, but  
can be configured for Novice portion of 40.

For those who don't know, these little rigs have  
a super receiver and do a really fine job.

Has user's manual and DC power cord.

\$90 money order or cashier's check/I'll ship  
Priority Mail.

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "William C. Robbins" <billrobb@serv01.net-link.net>  
Subject: [2534] FS: Miniature Keys  
Message-ID: <199608130101.VAA11269@serv01.net-link.net>

I am cleaning shack. I have 2 miniature straight keys just made for QRP.

#1 1 1/2" wide X 3" deep X 1 1/2" high. Look like it was made for the  
military. Black base. Black wrinkle paint cover that slides off to expose  
the lever. A snap is mounted on top of the cover (presumably for a leg  
strap or the like). Finger knob the size of a quarter. Real clean. \$35  
shipped.



#2 3/4" wide X 2" deep. 1" high from base to knob. 2 screws protrude from the base another 3/4" to mount on a base. Finger knob the size of a dime. Shorting bar. Clean. \$35 shipped.

Call 616/375-7978 or e-mail.

Thanks.....Bill

William C. Robbins, WA8CDU                   \*\*\*Heathkit Collector\*\*\*  
billrobb@serv01.net-link.net

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "William C. Robbins" <billrobb@serv01.net-link.net>  
Subject: [2526] FS: Tokyo Hy-Power HT-750  
Message-ID: <199608122322.TAA06415@serv01.net-link.net>

Boy have I had fun with this. The rig is the size of an 2 meter HT. It operates USB/LSB/CW on 7/21/50 Mhz. They are fairly rare on the used market. I run it on ni-cads but it will run on 8.5 - 15.0 VDC. Rated output is 3 watts on 40 meters and 15 meters and 2 watts on 6 meters. The telescoping antenna has an interchangeable telescoping element that screws on one of the three coil bases for the three bands. These were optional in the purchase. The push-to-talk key on the side serves as a morse code key in the cw position. Also a built in mic. I have the optional external mic that goes with this package.

Provisions for jacks are:

Antenna  
External DC power  
External Key  
External Mic

Also:

Noice blanker  
RIT  
Freq tuning step change switch  
Display/Meter lamp  
Built in speaker.

If you have never operated one of these it is really something.

\$525 shipped. Call for more info or e-mail.

Bill.....616/375-7978

William C. Robbins, WA8CDU  
billrobb@serv01.net-link.net

\*\*\*Heathkit Collector\*\*\*

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: PDouglas12@aol.com  
Subject: [2507] Fwd: KC2 on Explorer (I) 40 probs  
Message-ID: <960812143541\_454579295@emout16.mail.aol.com>

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Forwarded message:

Subj: Re: KC2 on Explorer (I) 40 probs  
From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: RobCap@aol.com  
Subject: [2525] GM-20 power output  
Message-ID: <960812185023\_383028019@emout08.mail.aol.com>

Dave-

I thought you would want to know the results of my work.

Changed L8 from 8 to 11 turns. No change in power output.

Changed C46-48 with silver mica caps. Power output jumped from 2.0 watts to 3.0 watts.

I recommend that owners of Green Mountain 20 rigs experiencing low power output try swapping the caps.

73,

Rob

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: duane <duane@flinet.com>  
Subject: [2519] hamsite  
Message-ID: <320F91B0.3FF7@flinet.com>

Hi All, just wanted to let you know that I'm trying to gather schematics of any kind to post on my web page. If anyone has any kind of schematic they want posted please send them to me and i'll post them. I all ready

have a few, but I would really like to get some QRP stuff added to my site. I started looking the web over and could not find anyone posting this kind of information. Now there is at <http://www.flinet.com/~duane>  
thanks  
duane AB4BE

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: jbenett@ebmud.com  
Subject: [2508] Hawaii Trip  
Message-ID: <9608121834.AA11116@phantasm>

I'm back from Hawaii, and sorry to report that I didn't get on the air from Maui - even once. It turned out that the timeshare I traded into placed me on the ground floor, in a unit where there absolutely was no convenient place to put up an antenna. After I got there and saw the situation, I my only option was an inside dipole, maybe for 40m. However, with 5w to an inside antenna, in a concrete and steel structure, with a range of 5,000' mountains due East, it just wasn't worth the trouble. Another thing that made me opt not to try it was that I could not even converse with my girl friend on VHF simplex from 1/2 mile away. I was on a cliff with direct eyesight to the area our building was in, and could not QSO. I suppose I may have been able to try something outside, but it would most certainly would have drawn the attention of the building managers and who knows who else.

I was duely disappointed. Had I been up on the third, fourth or fifth floors things may have been different....

As far as airport security: I brought an OHR-400, Ten-Tec tuner, Radio Shack power supply, wire antenna, cables, and keyer in a carry-on bag. Yeah, it was heavy, and was even heavier on the way home after not being able to use it! Anyway, the only place I was questioned about it was at San Francisco, prior to leaving for Honolulu. The bag went through the x-ray stuff, but they asked me to open the bag and show them what was inside. I showed 'em and told what it was, then I was on my way. Coming back from Maui via Honolulu no one even questioned the stuff. Apparently they are more concerned with things going into the checked baggage.

So, if you are taking your rig on a flight, not to worry about the new security procedures. However..... if you are going overseas or to Hawaii, be prepared for some VERY, VERY long lines waiting to check in your baggage. We arrived at SFO nearly two hours before our flight out and nearly missed it. The lines are horrendous.

Again, sorry I couldn't QSO anyone from Hawaii. Maybe next time...

73, Jim Bennett / N6PDX  
Martinez, CA

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Dwayne Rich <drichff@interpath.com>  
Subject: [2509] Hidden Antennas  
Message-ID: <320F7C90.1E2B@interpath.com>

Guys everyone seems to talk about a way to hide antennas. Let's try a different approach. Why not put the antenna out in the open? Yeah I know restrictive covenants. They don't have to look like antennas. Try building the antenna to look like a flag pole. No one would think of telling you to take down an american flag. Years ago there was an article in QST about building a HF J pole antenna that was a flag pole. I am not sure of the issue but it would have to be a better antenna than a short wire hanging in a basement or run in one room.

Dwayne Rich  
drichff@interpath.com  
--

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NC FFII/NC EMT-Defib/NC HAZMAT Operations/ NC Basic Rescue Tech  
Ham Operator KC4ADW QRP-L#336  
"Strive For Perfection Settle for Excellence"

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Bill Acito 12-Aug-1996 0839 <acito@asdg.ENET.dec.com>  
Subject: [2481] KC-2 on a SW-30  
Message-ID: <9608121250.AA12292@us1rmc.bb.dec.com>

Wayne et al;

I have a KC-2 on the way, and plan to install it with a SW-30 I'm finishing. The s-meter function relies on an AGC circuit, which

the SW-30 doesn't have. Was going back through my June issue of QRPp, and noticed an AF AC AGC mod (say that 3 times fast) for the Sierra (bottom of page 47) from Cam (N6GA) and Walt (WA4KAC). Would a similar circuit on the AF output of the SW-30 work (not using it as an AGC, but to drive the S-meter)?

```

+8V
o
|
> 10K
<<-----/\ /\ /----->|----- to KC-2
>          5.6K      |
|                    |
|                    |
|                    |
V                    |
                    |
                    |=== 0.1
                    |
          AF from    |
          LM386----->output

```

b

. . . . . - I own my own words - . . . . .  
 Bill Acito  
 acito@asdg.enet.dec.com  
 |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS                      qrp-ne qrp-l arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
 From: David Adams <dave@flowserver.stem.com>  
 Subject: [2500] KC2 on Explorer (I) 40 probs  
 Message-ID: <9608121711.AA01708@flowserver.stem.com>

Hey folks, finished my kc2 yesterday and installed it in the explorer and am having some problems, I, therefore, bow to the wisdom of the net.

First, during construction, I managed to install Q1 the J309 in backwards (yes, after having read the warning not to do so). In the process of removal, I managed to nuke the 309 (a friend asked me how I knew it was bad....the torn off leg was my first clue!). I ran to Fry's to check the howard and sam's replacement guide and they suggested the nte312 which I just happen to have a pile of at

home. Go figure...rest of construction went well.

On installation I connected all the necessary wires to the keyer for the vfo, s meter, watt meter, keyer and power. I didn't have a stereo key jack, so I just taped off the dot and dash lines so they wouldn't ground out. Ditto with the rf meter line as I found I am fresh out of diodes...

Anyway, hooked up the power, vfo, ground and s meter and powered the sucker...here is what I found:

- 1) KC2 powers up as expected, flashes firmware and goes to freq display.
- 2) Freq display does not change as one turns the vfo dial.
- 3) Kicking into s meter mode (hit display button) blanks the screen...no apparant s meter function regardless of signal...hitting s2 again pops one back into freq as expected.
- 4) Hitting the play button keys the rig just fine and plays whatever is in the message bank.
- 5) Keyer works (I can change the speed of the recorded message anyway...no key jack at this point).
- 6) The band setting properly shows f3

Now, as far as my installation, I opted to wire onto the component side of the board. The manual says the best place to hook the vfo line is up to the source line of the vfo jfet. In my case, the source line (of Q8) is connected to a resister (r42) which makes a lovely connection spot (and is the place where you hook your freq meter when aligning, so I know it's a nice spot)...I used a 10pf cap. I hooked the ground line alternately to the ground side of r45 and one of the corner screws (r45 is closer). The vfo is working fine as I seem to have full tuning range.

For the S-meter, the manual said to put it in the audio chain anywhere before the af gain control...which is exactly where I put it...the wire leading to the af gain control (blue wire...I forget which lug (I'm at work)). .05umF cap here.

Power came right off the center pin of the lug.

Discouraged by the lack of vfo display, I removed power and ohmed out ALL the joints, they seem fine. I then checked all the ground spots on the kc2 and they seemed fine. I then powered up and checked all the 5v spots...again fine...

Basically, help!

73 de dave, n9uxu

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David J Adams                      N9UXU QRP-L #83  
dave@flowserver.stem.com        NorCal QRP #1442  
(415) 813-5028                   Flow Cytometry Specialist

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: STEVE STUNTZ <STUNTZ@wapa.GOV>  
Subject: [2515] Keyboard not CW? -Reply  
Message-ID: <s20f2f1a.040@wapa.GOV>

I agree with the notion that keyboard morse code is a legitimate alternative for sending cw. I have used a keyboard for 10 years and have greatly improved my ability to copy cw by ear at 30-35 wpm.

72 de n0bf Stephen Stuntz

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: John Moyle <john@moyle.demon.co.uk>  
Subject: [2474] MFJ 90's Club  
Message-ID: <\$a7IaAA6IuDyEwPG@moyle.demon.co.uk>

I saw a letter from Bob V01DRB on the qrp-l about the MFJ 90 series Club.

How can I join?

I have recently purchased a 6 metre "adventure rig" but it is certainly an adventure trying to get the CW adapter! I only purchased it (4 months ago) for CW and despite e-mails and faxes from the importers here and myself still NOTHING except promises (and lies! - "4-6 weeks" three month ago) Is this the norm for MFJ?

Can you please tell me of any mods to reduce its power from 10 down to 5 watts.

many thanks

73

John G1AWJ, 2E0AIQ (G-QRP 1542)

Dr John Moyle MB, BS, CEng, MInstMC, DPallMed, FRCA  
Consultant Anaesthetist, Chartered Engineer  
35, Midland Road, Olney, Buckinghamshire, MK46 4BL, UK  
Tel 01234 241698 Cellphone 0836 244584 <john@moyle.demon.co.uk>

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: wager@juno.com (James W. Cates)  
Subject: [2483] Monte Meeting Momentous!  
Message-ID: <19960812.064917.4294.3.wager@juno.com>

Monte, ARCI quarterly editor, and I have been exchanging E-Mail. I wanted to meet him because I admire his work with the quarterly. We met at the Reno swap, and repaired to a nearby cafe. In less than two hours, we has solved all the world's problems.

Your problems? That will be five cents, please.

Monte gave me some nifty parts to give away at the next NorCal meeting. If you are wondering, will jim take ALL of them to the meeting, well of course not. hi hi? No, heh heh....

It is my pleasure to present to Monte, the "GOOD GUY" award! (Oops! I used upper case letters. Time to wash this keyboard with strong soap.) My apologies to those offended, and thanks, Monte, for making the trip worthwhile. jim

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: k5zty@hamgate2.w5-f6cnb.ampr.org  
Subject: [2538] OHR 400 drift fix?  
Message-ID: <11851@sugarland.ampr.org>

I bought my OHR 400 in the last QRP-L group buy and got through building it about a month ago. I think it's a keeper if I can get the kinks worked out. The biggest kink right now is VFO drift. This rig drifts 1khz down in the first ten minutes that it is on. In the next hour it drifts down another 900hz. It then starts drifting upscale at about 240hz per hour. It is extremely temperature sensitive. If I take the cover off of it, it imediatly reverses its drift. It never seems to stop drifting one way or the other.



The regulated voltage to the VFO is rock solid at 9.07v. I checked the Hetrodyne osc at the input to the Het Mixer and it is stable. The drift is from the VFO at the input to the Het Mixer. I've tried to isolate the component causing the problem with some spray component cooler but everything in the circuit caused a radical frequency change when sprayed with that stuff.

I hate to just box it up and send it to OHR to be fixed without trying it myself. It goes out in a box with money, comes back in a box without money and I never know what happened to the rig.

If anyone has any suggestions, I would be grateful for the help.

Thanks es 72

Bill, K5ZTY

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: Ng Heng Lee/Ghee <leeghee@singnet.com.sg>

Subject: [2499] pcb track s/w

Message-ID: <Pine.3.89.9608130142.B19283-01000000@merlion.singnet.com.sg>

hi gang,

i am trying to build a dip meter by i need to find a software that can draw out the pcb track and print it out to a printer. anyone know of any software out there or any shareware which i can download ?? thanks.

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: w0rw@kktv.com

Subject: [2522] Plastic box for Sierra band modules

Message-ID: <TCPSMTP.16.8.12.-16.0.58.2240783031.1742731@kktv.com>

If you have a bunch of Sierra Band Modules laying around, you will find that they will probably

all fit in a VHS Video Tape plastic box (add foam rubber as required).

Makes a nice container for them. 72 de WORW

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: wq8q@juno.com (Rick Tyler)

Subject: [2493] QST / QRP

Message-ID: <19960812.121548.7271.5.wq8q@juno.com>

In the September issue of QST, some really nice color photos and captions in the "Up Front in QST" Section. They show DL1FDF/VY1QRP in a QRP expedition to Northern Canada and a great picture and paragraph about Jane, AA0ZR who lives a hermit's lifestyle in a mountain cabin with no commercial power and runs QRP from solar power.

PLUS: a construction article: The Micro M - a miniature charge controller.

"Put the sun to work as a battery charger for a QRP transceiver"

73/72 de Rick, WQ8Q  
Cincinnati

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Russ1031@aol.com  
Subject: [2537] Second Reminder for the August Spartan Sprint  
Message-ID: <960812234221\_258110709@emout19.mail.aol.com>

This is the second reminder for the August Spartan Sprint.

Our standard date for Spartan Sprints is the first Monday of each month. Some of you have commitments on Mondays, so to give you a chance to participate, we're going to run the August Sprints on a non-standard day. It will be Wednesday, August 14.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, antenna tuner and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and QSOs per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of Qs per pound.

ARS provides handsome certificates to the operators who achieve the top four scores in the Qs per pound category. Because he's an essentially worthless person, the contest manager is ineligible.

You can get a full explanation the Spartan Sprints from our web site, <http://members.aol.com/adradio/index.html>. Or if you'd rather get the material by e-mail, just drop a note to me, Russ Carpenter, AA7QU, at [Russ1031@aol.com](mailto:Russ1031@aol.com) and I'd be glad to e-mail a copy. The following synopsis, however, will give you all you need to participate.

Here is the plan for August 14:

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT.  
Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.
2. Use 7040 +- Mhz and 14,060 +- Mhz (You may operate one or two bands--your choice).
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. If you are operating under the portable QRP rules, add "/PQ" to your call. (You can find those rules at our web site, <http://members.aol.com/adradio/index.html>)
6. You can take credit for working the same station on a second band.

After the contest, send me e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, antenna tuner, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to me by Friday night, I'll include your data in the contest results, which I'll publish on Monday, August 19 on the ARS web site and the QRP-L.

See you on the 14th!

72, Russ, AA7QU, Contest Manager and general purpose gofer.

[Russ1031@aol.com](mailto:Russ1031@aol.com)

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Jerry <[frog@cybernex.net](mailto:frog@cybernex.net)>  
Subject: [2520] Sierra mods  
Message-ID: <199608122114.QAA00187@pinto.sd.cybernex.net>

I just got a Sierra, built it and it works great. I'm very happy with it.

On 40m I have 2.3 watts out, 30m is 1.9 watts out, and 17m I get a grand 1.3

watts out. Is there anything I can do to even the power out on all bands?

Also is there a list of mods for the Sierra floating around out there somewhere? Or does anybody have a list or copy of mods for the rig.

Thanks a bunch. Jerry-NR5A

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: burdick@interval.com (Wayne Burdick)  
Subject: [2536] Sierra power output mods (for Jerry, NR5A)  
Message-ID: <v0213050fae35a00c89c9@[199.170.106.28]>

Jerry:

I tried to send this to your return address (frog@cybernex.net) but it bounced.

Your Sierra power output levels seem a bit low. (Note that at home you can run the rig from 14V or 16V and get quite a bit more.) But, for the record, there's no real necessity to even-out the output power on all bands. Keep the higher power on those bands that provide it and try to bring up the low ones if you want. I settled for uneven power output as F goes up because it resulted in a much more "buildable" and stable transmit strip.

As for evening them out: you can reduce the higher-output bands by "stagger tuning" the trimmers on the band-pass filters, i.e. tune one trimmer at the low end of the band and the other at the high end (on each filter).

But to get the lower-output bands UP may require more tweaking:

1. First make sure you've got the trimmers *\*really\** peaked up.
2. Try putting a ferrite bead on the base lead of the 2N2222A driver transistor (FB101-43 or FB101-64 I think will work). I've seen this increase the power on 15m, and you'll need it anyway if you build a 10 or 12m module.
3. Replace the J309 TX buffer (Q5, I think) with a J310, which is hotter.
4. Last resort: try adding a 100pF cap from the PA transistor's base to ground to cancel the leakage inductance of the driver/PA transformer. This is frequency selective, so you may have to experiment to find a good compromise cap.

That's about it! Let me know if any of this works for you.

73,  
Wayne  
N6KR

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Gary Nye" <gcnye@brutus.bright.net>  
Subject: [2500] St. Louis tuner parts?  
Message-ID: <199608121713.NAA27367@brutus.bright.net>

I need some help in locating parts for my St. Louis tuner mini-kit.  
I have the case, 2 variable capacitors, 2 meters, and a pc board.  
What part numbers (Mouser or ??) should I use for the switches  
(especially the rotary switches) and trimpots since they seem to be size-  
critical.

Does anyone know a source for the 2 watt resistors?

Can anyone supply a drilling template for the front and back panels?

tnx & 72

gary

=====  
Gary Nye WD8KQY gcnye@bright.net  
Tiffin, OH  
QRP-ARCI #5705 QRP-L #446 NORCAL #???  
=====

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Jerry Parker <jparker@fix.net>  
Subject: [2502] TenTec PM3  
Message-ID: <2.2.32.19960812173135.00b8e40c@fix.net>

OK,

the first request didn't get the dust off any PM3's. So.

I will put the first person who comes up with a PM3 for me

in for Jims Good Guy award of the month.

There has to be one on some ones shelf just begging to be put  
on the air.

What say?

72,,,Jerry...WA6OWR...K

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: vtronair@bctv.wic.ca (VTR ONAIR)  
Subject: [2475] test  
Message-ID: <199608120949.CAA27011@carver.pinc.com>

This is a test msg

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)  
Subject: [2517] TIME FOR A BETTER 30M RIG  
Message-ID: <839854829.AA07017@hamlink.mn.org>

Doug Hall <doughall@nando.net> wrote:

DO>Hi guys,

> I also discovered that I want a new 30m QRP rig - one that has QSK and  
>RIT. The A&A receiver is fine, but I REALLY missed not having QSK and RIT.

Perhaps the best thing to do would be to modify your rig with these  
features. It's really not to hard. I'm not familiar with the A&A rig,  
but if it's a vfo there is already an offset circuit. RIT simply makes  
this offset variable. On my old HW-8 it took just a cut trace a few  
parts and a half hour as I recall. As for the QSK, several articles  
contain QSK circuits. One that comes to mind is "An Optimized QRP  
Transceiver" by W7EL QST Page 14 August 1980. A rit circuit can be found  
here too.

Perhaps someone more familiar with your rig has made these mods.  
Comments anyone?

Hope this Helps,

73 de Claton Cadmus, KA0GKC

\* SLMR 2.1a \* Remember, you are unique, just like everyone else!

---NoSnail v1.17

\*\*\*\*\*

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34

Ham Radio Spoken Here!!

- 612/HAM-1010 v.32b

Reply to sender @ hamlink.mn.org

\*\*\*\*\*

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: Nick Franco <kf2ph@bnl.gov>

Subject: [2492] TMPS

Message-ID: <320F3F16.FBF@bnl.gov>

Charles Brown wrote:

>

> On Fri, 9 Aug 1996, Nick Franco wrote:

>

> > Once ever couple of weeks I like to give my TMPS report. Bob W03B is

> Please explain what TMPS means --- never seen the explanation.

> N4SOCharles,

TMPS is Thirty Meter Propagation Study. It's the little event we have here on the list from May 1 or June 1 through Sept 30. Just get on 30 meters and work as many people as you can. ONce a week or so report how you're doing. Chuck Adams K5F0 started the event to promote qrp use on the 30 meter band. Last year you have to build a TCVR to participate. That promoted kit building as well as 30 meter activity. This year it's open to everyone on the list. Every once in a while append a signature message like the one below and Chuck will pull the statistics out of the email messages and post the results in October. October through May is the Fox Hunts here on QRP-L. This is a fun event where usually two foxes per week as scheduled and they post the time and freq's they will be calling CQ on. You get on 40 meters at 7.040 and 7.110 and try to work the fox. The results are posted on the QRP-L by the fox the next day. A lot of fun and gets us off out duffs and on the air.

Since you asked, Maybe I'll post a cc of this message to the QRP-L in case there are others who may not know what's going on lately.

CUL es 72,

Nick - KF2PH

KF2PH TMPS 1996 Qs=067 States=20 Confirmed=21 DX=10

--

Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY  
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201  
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000  
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>  
Subject: [2529] TMPS: Where' DELAWARE?  
Message-ID: <2FA90C14BA@manage.paccd.cc.ca.us>

Last night I heard AA6CX/1 calling CQ on 30m, and my dated CD ROM still listed his California address. I called him hoping .... Sure enough he was in Vermont! Only one more state to go ... DELAWARE.

I have only heard one station in Delaware and that was NY3R. School has started and due to a flick of the governor's Bic (tm) there is now a shortage of teachers at all levels through community college and I am working four nights a week plus five days a week. Getting Delaware in the remaining time is not going to be easy, HI.

73, Harvey, N6MM

TMPS 96: QSOs=255, WAS=49, DXCC=043 OHR 400, dipole/loop/wire beam  
States needed: DE  
DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU  
C6A XE LA ZF 5N CO CY0 PY V7 HC V6 T32 KC6 P4 TI ZK1(so) UA0  
KH8 ZP OZ ZK2 CE HI HK0

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Vernon A. Hatley" <vhatley@worldnet.att.net>  
Subject: [2482] ZL8RI cards  
Message-ID: <1.5.4.16.19960812075940.1b4fcee0@postoffice.worldnet.att.net>

If any of you out there are waiting for your QSL card from ZL8RI; Kermadec Island; your wait is about over. I received mine Saturday. Nice cards.

All this talk lately about keyers has me ready to order a new Super CMOS III. I never liked my MFJ-401 anyway.



How much longer before FOX season opens?

--

KK5RO                      Vernon A. Hatley  
QRP-L #325                Shawnee, OK  
(405)-273-3640

"The wheel weaves as the wheel wills."

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [2484] Re: 10M Antennas  
Message-ID: <BDF40E3201172C16@mhsgate.meth-mem.org>

>  
> From: rob3ert@juno.com (Robert G. Parks)  
>

    I've thought about "portables" such as MFJ's  
>>>Portable Antenna (MFJ-1621) or the Box Fan Portable Loop (MFJ-1780).  
>>>If anyone has used them, I'd appreciate comments. Alternative  
>>suggestions  
>>>would be welcomed, too!  
>>>  
>>>73, Pete N3FNE  
>>>

Well, can't help but interject my 2db worth. I too have an MFJ-1621 as well as a Hy-Gain Tape measure dipole, and an army surplus variable length copper rod vertical, all of which I have used P/QRP. Each has it's place. You can't beat for MFJ-1621 for portability and set-up time but it is not a very efficient and effective antenna. You have to be very careful about it's placement but general rules do apply here. The 50' of RG-58 MUST be on the ground (not the 3rd floor), altho not necessarily in a straight line. I have run the coax in a loop around my operating position with the LC circuit/whip box relatively close to the rig. The important thing here is that you be in an electrically non-conductive environment. BTW, you can do sum really strange things by varying the length of coax and connecting to a non-isolated power supply. You can't beat the band QSY ability of the MFJ-1621. If you decide to change the coax, use N-Connectors at the box itself. My all around best portable antenna is the Hy-Gain tape measure dipole. New, these are pretty expensive but hang around a number of hamfests and you will probably see one. A commercial version in good to excellent condx should run you between \$90-\$100 dollars. I picked my army surplus one up at a hamfest for \$25 but it was in poor-fair condx but still very usable with minor repairs. These things are

kinda-like 2 stainless steel contractors tape measure installed in one case with either a UHF or N-connector. Included in the case is a built in 1:1 balun. To my way of thinking these are the ultimate in portable antennas. BUT, they are fairly heavy and require developing your pitching arm. In terms of efficiency and all-around effectiveness a resonant dipole is unbeatable.

My third portable antenna is a set of army surplus screw-together copper tubes with a bake-lite (sic?) base. I really don't have a lot of experience with this setup as it is pretty hard to put together a stable vertical for the low bands that we are forced to use now. Essentially I have abt 20 copper (alloy?) tubes plus a pointed end-piece each of which is abt 2 1/2 feet long that screw into each other and the bake-lite stab base with coarse threads. There is no provision for a counterpoise on the base. The 2 ways that I have setup this antenna have really not been truly practical. First I carefully put the thing together for a 1/4 20m verical (approximate) and they raised it carefully into a guyed verical position (lot of trouble!). The second way was by tying my biodegradable cotton cord to the end and lynching it verical under a high tree limb. Both times I fed the vertical as if it was a 1/4 wire from a tuner with the counterpoise (yah, I know this is not the correct term) hooked to the tuner. I have very little operating experience with it so I cannot attest to it's effectiveness, but I expect that like most vertically polarized antennas it's take off angle for long-distance dx will be superior to a dipole at a practical portable height. In short, you can't beat the MFJ-1621 for portability in most situations, BUT is is not a very effective antenna especially for 30 and 40 meters. My recommendation would be to either acquire the tape-measure antenna, build a number of very light, portable dipoles, or try one of the newer design, off-center fed antennas, where resonancy is achieved as multiples of 1/4 and 1/8 waves (no experience with these yet, but I have plans, hi hi). 72/73 CUL on 30m de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Stanley Wilson <microres@crl.com>  
Subject: [2479] Re: 10m Hidden antenna  
Message-ID: <Pine.SUN.3.91.960812053334.25492B-100000@crl5.crl.com>

Kerry we call it "war" in southern indiana. I have been use'n war for my antenna for about 40 years. Not sure what this "wire" stuff is. Bet it don't work as good.

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Frank G3YCC" <g3ycc@enterprise.net>  
Subject: [2524] Re: 72?  
Message-ID: <199608122327.XAA09677@mail.enterprise.net>

72 was coined by a Soviet amateur some years ago, and I am told it means  
'Best of luck with QRP' .  
73/72!

--

Frank G3YCC  
Ham Radio QRP Web Page:  
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [2487] Re: Amidon  
Message-ID: <m0upynq-0006keC@covina.lightside.com>

Amidon, Inc.  
3122 Alpine Sve.  
Santa Ana, CA 92704  
714-850-4660  
Fax: 714-850-1163

Dan Hogan  
West Covina, CA  
[dhhogan@lightside.com](mailto:dhhogan@lightside.com)

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: WD6BOR@aol.com  
Subject: [2490] Re: Amidon  
Message-ID: <960812115618\_597632353@emout09.mail.aol.com>

In a message dated 96-08-12 08:37:10 EDT, cfishman@PICA.ARMY.MIL (Clark Fishman) writes:

<<

I need the latest and greatest address and phone for Amidon

I need to get some more toroids

Clark Fishman WA2UNN cfishman@pica.army.mil

>>

Amidon, Inc.

3122 Alpine Avenue

Santa Ana, CA 92704

714-850-4660/ FAX 714-850-1163

Ordered from them about four weeks ago for the Epiphyte 2 cores. Good service and prices.

Darrel, WD6BOR

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: "Bill C." <wrc@tir.com>

Subject: [2496] Re: Atta boy Jim .....

Message-ID: <320F890A.17DD@tir.com>

Hi Gang,

I've only been subscribed to the list for a few days. This is the closest approach I've seen to flames... smoke, but no fire.

I read a number of responses to this. There are some points well made. My own experience shows a world full of emotionally damaged persons who feel a duty to trash others... no matter what. I first acquired access to the on-line community a few years ago.. 1991 or '92 I think. I could be identified as a "newbie" by my ID. I was roundly thrashed by quite a few. None of those people knew my first non-voice telephone communication was in 1964 when I was in my teens. I would have annoyed the phone company sooner, but we didn't have a phone until then! They still don't know that. In addition to the all caps issue there are spelling and grammar nit-pickers. Caps, spelling, and grammar are not really trivial issues, but in a casual setting they are not very important. This \*IS\* a casual setting. I tend to ignore nit-pickers. I realize they are emotionally damaged and at my age I also know I can't fix them (I've tried). My best guess is they were ruined by religion.

Now.. on the qrp-1 ... there isn't that much trouble. Maybe hams are a bit better off than others. Perhaps qrp hams have an edge, too. I had a computer that was UC only to start with. As soon as I got LC I started using it cuz it is easier to read and I still prefer it. I won't complain

about all caps, spelling, nor grammar!!

Now that I am typing... will any of you hold it against me if I like to use 15 watts?

73,

Bill KU8H

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Gary Surrency <gsurrenc@ix.netcom.com>  
Subject: [2485] Re: Battery engineering data  
Message-ID: <320E5792.6992@ix.netcom.com>

N4HUR@aol.com wrote:

>

> Does anyone out there have any battery engineering data? Specifically what I  
> am looking for is curves for C, D and 9 volt (alkaline and other chemistry)  
> cells/batteries showing terminal voltage versus time for various loads and  
> duty cycles.-----SNIP-----

Bob, and the group:

Radio Shack carries a book entitled "Enercell Battery Guidebook" p/n 62-1304 that has much of this kind of data in it. I'm sure if you flip thru one at your local Rat Shack store you will find out if it is what you're looking for.

Disclaimer: No affiliation with Radio Shack, et. al (or at all, either, for that matter)

-----  
In other world events,

Of course, after that ridiculous power blackout yesterday, we ALL need to get our batteries charged, or at least buy some more. Talk about a "domino" effect. Technology has brought us to this. Ho Hum. Does anybody find this power outage snowball just a little odd? Kinda make you wonder about what would happen in a REAL catastrophe, doesn't it. Lessee, UFOs, militias, martians, (or was that martian rocks?), the list goes on. Probably just a warmup for the movie ID4's revenge.

The local 2-meter repeaters were very helpful for getting traffic reports and where the power was still out. I heard a bunch of cellular phone sites overloaded or didn't come up on back-up power. Didn't hear anybody on the HF bands say anything during that outage tho'. Guess most hams were on HTs, battery powered mobile rigs, or QRP and didn't notice or care. It DID get hot here for a while tho'. Will we ever know the real reason? I doubt it.

73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: "Lau, Zack, KH6CP" <z1au@arrl.org>

Subject: [2501] Re: CMOS KEYERS

Message-ID: <m0uq0ne-000f7qC@mgate.arrl.org>

I used a LM2936 Ultra-low quiescent current regulator with my CMOS keyers and 9V batteries. There are probably even better regulators today for this application, so you might want to see what companies like National Semiconductor, Linear Technology, and Maxim have to offer.

Zack KH6CP/1

BTW, Does QEX have the record for the periodical with the longest single QRP construction article in one issue (fifteen 8.5 x 11 pages with no ads)?

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: Mike Duke <gmduke@oscar.TECLink.Net>

Subject: [2532] Re: CW vs MCW on 11 meters

Message-ID: <Pine.SOL.3.91.960812194659.22783E-1000000@oscar.teclink.net>

I don't know about the current legality, but, in the mid 60's, cw was legal at the 100mw level on certain channels.

I remember seeing a cw xmtr described in an issue of Electronics Illustrated. Seems as though there was also a modification article for converting an ht to send cw. However, it didn't address the receiver requirements.

Sorry, I don't remember the issues, and no longer have them around the house.

Oh, I just wonder how long it will take the FCC to find and bust anybody for running 100mw of anything on 27mhz?

73/72, Mike Duke, WB5ADC, Jackson MS

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [2514] RE: dan's small parts URL  
Message-ID: <960812150533.20200d54@carib.vf.mmc.com>

John, you queried:

>Do one of you guys have the URL to Dan's Small Parts?  
>I tried <http://www.fix.net/dans.html> but there's no such  
>document.

I just tried it, too with the address stored in mu Bookmarks. Got the dreaded  
404 Not Found

The requested URL /dans.html was not found on this server.  
from Netscape.

Has Danny disappeared again?

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: James Bennett <james@research.nj.nec.com>  
Subject: [2516] RE: dan's small parts URL  
Message-ID: <199608121922.PAA16294@shakti.nj.nec.com>

Joe and all,  
Try: <http://www.fix.net/~jparker/dans.html>

James Bennett KA5DVS/2

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [2518] RE: dan's small parts URL  
Message-ID: <199608121948.MAA02406@dancris.com>

At 03:05 PM 8/12/96 -0400, you wrote:

>John, you queried:  
>  
>>Do one of you guys have the URL to Dan's Small Parts?  
>>I tried <http://www.fix.net/dans.html> but there's no such  
>>document.  
>  
>  
>I just tried it, too with the address stored in mu Bookmarks. Got the dreaded  
>  
>404 Not Found  
>  
>The requested URL /dans.html was not found on this server.  
>  
>from Netscape.  
>  
>Has Danny disappeared again?  
>  
>  
Nope, he's there. The URL is <http://www.fix.net/jparker/dans.html>. Y'all are  
leaving the 'jparker' out.  
73,  
Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any  
order of importance!)

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: rob3ert@juno.com (Robert G. Parks)  
Subject: [2523] Re: dan's small parts URL  
Message-ID: <19960812.150830.8614.0.rob3ert@juno.com>

On Mon, 12 Aug 1996 14:55:44 -0400 "John P. Spoonhower" <spoon@kodak.com>  
writes:

>Do one of you guys have the URL to Dan's Small Parts?  
>I tried <http://www.fix.net/dans.html> but there's no such  
>document.  
>  
>72, John kc2du  
>--  
>##### John Spoonhower  
>### ### Analytical Technology Division  
>### ### Bldg 82C, Floor 2  
>### # Eastman Kodak Company  
>### ODAK ##### Rochester, New York 14650-2132 USA  
>### # ##### phone: (716)588-6173  
>### ### ##### Internet: spoon@kodak.com



>#####

>

>

I have the following URL for Dan's:

<http://www.fix.net/~jparker/dans.html>

72/73

Bob Parks

K6AEC

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996

From: john andrews <jm165723@eee.org>

Subject: [2473] Re: DECALS/PANEL MARKERS

Message-ID: <320ED2A2.409D@eee.org>

jim parsons wrote:

>

> I DO A LOT OF BUILDING BUT I HAVE NOT USED DECALS, OR PRESS-ON MARKERS TO  
> MARK MY CONTROLS FOR A LONG TIME. THE ONLY MARKERS I CAN FIND IS AT RADIO  
> SHACK, AND THEY NEVER HAVE THE WORDS I NEED TO GET THE JOB DONE.

>

> YEARS AGO WE USED DECALS THAT WE WOULD CUT OUT. THEN WE WOULD SPRAY WITH  
> CLEAR SPRAY. BUT I HAVE NOT SEE ANY DECALS OR PANEL MARKERS IN A LONG TIME.  
> AND, I HAVE NO WAY TO SILK SCREEN. ANYWAY, A SINGLE JOB WOULD NOT BE WORTH  
> THAT MUCH EFFORT.

>

> I WONDER WHERE YOU BUILDERS, WHOSE BEAUTIFUL WORK IS SEEN ON SOME OF THE  
> INTERNET PAGES, ARE GETTING YOUR MARKERS? I SURE WOULD LIKE TO FIND THE SOURCE.

>

> THANKS AND 73 TO ALL....

>

> JIM, K5ROV

> SAN ANGELO, TX

Hi Jim:

Been doing it for years; then the decals dried up. Use a very soft #3 pencil to underline where the target will be (ie just below where you will plan to place the rub-on letters) then using rub-on letters that can be obtained from most any Office Depot, Staples, and others- rub'em down with a ball point pen/hard lead pencil. You can find them in most letter point sizes. Circles and odd shapes as well.

Don't need to tell you(I'm sure you've used it before) a single swipe of clear nail polish "fixes" it to the surface. Some folks fix with a light coat of Krylon Clear but I'm not that fussy.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Stanley Wilson <microres@crl.com>  
Subject: [2480] Re: DECALS/PANEL MARKERS  
Message-ID: <Pine.SUN.3.91.960812053907.25492D-100000@crl5.crl.com>

You can now make your own decals with the help of the local office supply or Kinko's copy shop.

They have a clear material that will Xerox that has a sticky peel backing.

Costs from 50 cents to 1.00 per 8 x 11 sheet.

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: rbstalker@CCGATE.HAC.COM  
Subject: [2489] Re: Delco 5300 Radio - Hv you seen any ?  
Message-ID: <9607128398.AA839863611@CCGATE.HAC.COM>

The Delco 5300 is a 5 watt CW and 1 watt phone receiver/transmitter unit used by the CIA in the 60 and 70's. I believe several thousand were built.

Frequency range was 3 to 8 mHz.

If you know of where one may be purchased I would be interested.

The unit used a short antenna of 30 to 57 feet. They required a counterpoise. Does anyone have any specifications or know what size counterpoise was used ?

Regards de stan ak0b

The following is an attached File item from cc:Mail. It contains information that had to be encoded to ensure successful transmission through various mail systems. To decode the file use the UUDECODE

program.

----- Cut Here -----

```
begin 644 rfc822.txt
M4F5C96EV960Z(&)Y(&-C;6%I;"!F<F]M(&5D96XN:&%C+F-O;0T*1G)0;2!O
M=VYE<BUQ<G`M;$!,96AI9V@N1415#0I8+45N=F5L;W!E+49R;VTZ(&]W;F5R
M+7%R<"UL0$QE:&EG:"Y%1%4-"E)E8V5I=F5D.B!F<F]M(#$R."XQ.#`N,2XT
M(&)Y($5$14XN2$%#D-/32`H4$U$1B!6-"XS+3<@(S4X.#0I#0H@:60@/#`Q
M23@U2#!00T9(0S`P,#(P0D!%1$5.+DA!0RY#3TT^.R!3=6XL(#$Q($%U9R`Q
M.3DV(#$S.C0W.C0T(%!35`T*4F5C96EV960Z(&9R;VT@3&5H:6=H+D5$52`H
M6S$R-RXP+C`N,5TI(&)Y(&9I9&]I:2YC8RYL96AI9V@N961U('=I=&@@4TU4
M4"!I9`T*(#PQ-S0U,S8M-3,T-SD^.R!3=6XL(#$Q($%U9R`Q.3DV(#$V.C0U
M.C(P("TP-#`P#0I296-E:79E9#H@9G)0;2!N<W,R+D-#DQE:&EG:"Y%1%4@
M*%LQ,C@N,3@P+C$N,C9=*2!B>2!F:610:6DN8V,N;&5H:6=H+F5D=2!W:71H
M#0H@15--5%`@:60@/#$W-#R,BTX.34W,SX[(%U;BP@,3$@075G(#$Y.38@
M,38Z,C8Z,3`@+3`T,#`-"E)E8V5I=F5D.B!F<F]M(&UA:6PN8W)L+F-O;2`H
M;6%I;"YC<FPN8V]M(%LQ-C4N,3$S+C$N,C)=*0T*(&)Y(&YS<S(N0T,N3&5H
M:6=H+D5$52`H."XW+C40."XW+C,I('=I=&@@4TU44"!I9"!104$T.#@T-2!F
M;W(-"B`\<7)P+6Q`;&5H:6=H+F5D=3X[(%U;BP@,3$@075G(#$Y.38@,38Z
M,C8Z,#@+3`T,#`-"E)E8V5I=F5D.B!F<F]M(&-R;#<N8W)L+F-O;2!B>2!M
M86EL+F-R;"YC;VT@=VET:"!33510(&ED($%!,CDU-#,-"B`H-2XV-6,0241!
M+3$N-2!F;W(@/'%R<"UL0&QE:&EG:"YE9'4^*3L@4W5N+"`Q,2!!=6<@,3DY
M-B`Q,SHR-3HP,R`M,#<P,`T*4F5C96EV960Z(&)Y(&-R;#<N8W)L+F-O;2!I
M9"!03$U,C`X("@U+C8U8R])1$M,2XU(&90<B!Q<G`M;$!L96AI9V@N961U
M*3L@4W5N+`T*(#$Q($%U9R`Q.3DV(#$S.C$P.C(Y("TP-S`P#0I$871E.B!3
M=6XL(#$Q($%U9R`Q.3DV(#$S.C$P.C(Y("TP-S`P("A01%0I#0I&<F]M.B!3
M=&%N;&5Y(%=I;' -O;B`\<7;6EC<F]R97-`8W)L+F-O;3X-"E-U8FIE8W0Z($1E
M;&-O(#4S,#`@4F%D:6\@+2!(=B!Y;W4@<V5E;B!A;GD@/PT*4V5N9&5R.B!0
M=VYE<BUQ<G`M;$!,96AI9V@N1415#0I4;SH@3&]W(%!0=V5R($%M871E=7(@
M4F%D:6\@1&ES8W5S<VE0;B`\<7)P+6Q`3&5H:6=H+D5$53X-"E)E<&QY+710
M.B!M:6-R;W)E<T!C<FPN8V]M#0I-97-S86=E+6ED.B`\<4&EN92Y354XN,RXY
M,2XY-C`X,3$Q,S`U,#$N,34Q-31!+3$P,#`P,$!C<FPW+F-R;"YC;VT^#0I-
M24U+79E<G-I;VXZ(#$N,`T*0V]N=&5N="UT>7!E.B!415A4+U!,04E..R!C
M:&%R<V5T/553+4%30TE)#0I#;VYT96YT+71R86YS9F5R+65N8V]D:6YG.B`W
M0DE4#0I0<F5C961E;F-E.B!B=6QK#0I8+4QI<W1P<F]C97-S;W(M5F5R<VE0
E;CH@."XP("TM($QI<W10<F]C97-S;W(H=&TI(&)Y($-214X-"@``
```

end

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [2487] Re: Faster Morse Sending  
Message-ID: <E3F90E3201172C16@mhsgate.meth-mem.org>

>  
> From: wq8q@juno.com (Rick Tyler)

>  
>  
>On 11 Aug 96 12:35:50 EDT Marshall Emm <75230.1405@CompuServe.COM>  
>writes:  
>  
> (sloppy bug users stand out like sore thumbs on the band) AMEN! Bug  
>users . . . you need to tape record your sending and see if  
>YOU can copy it. I guess there are some who like the "musicality" of the  
>bug, but when I hear a badly adjusted one (which is more often than  
>not),  
>I just tune right on by.  
>  
>73/72 de Rick, WQ8Q  
>Cincinnati  
>  
>  
>  
Rick: you have my strong second and endorsement. I try to send like I can copy.  
I try to be very careful abt character and word spacing. de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [2488] Re: Faster Morse Sending  
Message-ID: <Pine.SUN.3.90.960812080633.10985B-1000000@vortex.sage.dri.edu>

>  
>On 11 Aug 96 12:35:50 EDT Marshall Emm <75230.1405@CompuServe.COM>  
>writes:  
>  
> (sloppy bug users stand out like sore thumbs on the band) AMEN! Bug  
>users . . . you need to tape record your sending and see if  
>YOU can copy it. I guess there are some who like the "musicality" of the  
>bug, but when I hear a badly adjusted one (which is more often than  
>not),  
>I just tune right on by.  
>

On Mon, 12 Aug 1996, Mike Cloud wrote:

>  
> Rick: you have my strong second and endorsement. I try to send  
> like I can copy. I try to be very careful abt character and word spacing.  
> de Mike, KR4IT

Hi Mike,

But didn't you just say that you sent some CW and even had a QSO using

wire for a key? You hinted that it was way less than perfect code.

If the other station had done what you are saying to do, you would not have had that QSO.

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: jbartac@max.state.ia.us (jbartac)  
Subject: [2495] Re: Faster Morse Sending  
Message-ID: <320F754B.62C@max.state.ia.us>

About the quality of Morse code on the air:

A CW op can send good morse only if he/she knows what good Morse sounds like! Fortunately, I run into some very good ops. I've QSO'ed a YL from the deep south who could really tear along flawlessly with her keyer, and just this morning I was dinking around with my PK-232 hooked up to the Paragon, and I heard Dave K4TWJ (who is usually using vintage bugs he collects) on 30 meters.

Dave was solid copy not only in the "cans" but also on the computer screen with the '232 in the Morse mode. That's really FB CW to make it onto my screen, I'd say. Kudos to Dave and all the other really good fists out there!

72,  
Jerry KD0CA

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Rick Miller <rick@DigalogSys.com>  
Subject: [2497] Re: Faster Morse Sending  
Message-ID: <Pine.LNX.3.91.960812115528.2228B-100000@net.digalogsys.com>

On Mon, 12 Aug 1996, jbartac wrote:

[...]

> Kudos to Dave and all the other really good

> fists out there!

When I pecked at a mill for the Navy, the Russian "commercial" fleet's straight-key operators were consistently good... right up to 30 wpm. (Whew!)

Rick Miller (kb9obn) rdmiller@execpc.com

From owner-qrp-l@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [2521] Re: Faster Morse Sending  
Message-ID: <Pine.SUN.3.90.960812145108.12898E-1000000@vortex.sage.dri.edu>

On Mon, 12 Aug 1996, Rick Miller wrote:

> On Mon, 12 Aug 1996, jbartac wrote:  
> [...]  
> > Kudos to Dave and all the other really good  
> > fists out there!  
>  
> When I pecked at a mill for the Navy, the Russian "commercial" fleet's  
> straight-key operators were consistently good... right up to 30 wpm.  
> (Whew!)  
>  
> Rick Miller (kb9obn) rdmiller@execpc.com  
>

When I qualified as a High Speed Radio Op in 1954, we had to send 5 letter code groups at 25wpm with a hand key! And someone had to copy!

No "finger shaking" to make the dits. We had to practice by resting our sending fingers on a book and the hand key under our wrist. Then send cw! All dits and dahs were made with the wrist.

Funny thing.....was easy to learn back when I was 18! But I sure can't do it now!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [2531] Re: GM-20 power output  
Message-ID: <2.2.32.19960812234816.009ac95c@public.compuserve.com>

Hi Rob,

Thanks for that info on the Small Wonder Labs Green Mountain 20. I think I'll do the same with mine. Out of curiosity - where did you find the small silver micas? Any problems fitting them in where the ceramics went?

I am now just doing the same type of changes to my Sierra as per Dave Meacham W6EMD mods in the Sept 95 QRPP. I was able to get similar output gains as you (Dave also tweaked the Sierra LC values).

73/72 Bob V01DRB/WA6ERB

At 18:50 8/12/96 -0400, you wrote:

>  
>Changed C46-48 with silver mica caps. Power output jumped from 2.0 watts to  
>3.0 watts.  
>  
>I recommend that owners of Green Mountain 20 rigs experiencing low power  
>output try swapping the caps.  
>  
>73,  
>  
>Rob

```
-----  
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet: rgobrick@nfld.com |  
| Compuserve: 70466.1405@compuserve.com |  
|-----|
```

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
Subject: GQRP - Audio Low Pass Filter

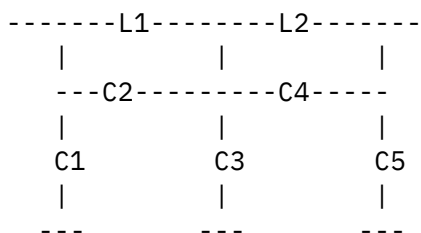
Hi Folks

At the suggestion of Wolf, DK4RW, I have added a low pass filter into

the low power audion stages of the GQ-20. The filter removes most of the fairly high hiss level from the MC1350 chip, which otherwise tends to mask the desired signal. The mod will be useful on other rigs as well, and so you might like to see the original details from Wolf:

=====

in order to improve the sensitivity of your GQ-20 you might consider adding an AF low pass filter between R20 and C40. In my GQ-40 I used a two stage elliptical filter :



L1 = L2 : TOKO 100 mH, 88mH toroids should do as well  
 C1 : 220nF  
 C3 : 330nF  
 C5 : 330nF  
 C2 : 100nF  
 C4 : 47nF

A 0.2uV RF signal yields a S/S+N ratio of 3.5 dB in my unmodified GQ-40. With the filter and the same RF signal the signal to noise ratio improved to 10.5 dB. This improvement might not look very impressive but it makes a \_significant\_ audible difference. The filter removes nearly all the high frequency hiss which I felt rather annoying in the original version.

=====

Not only does it reduce the unwanted noise in the GQ-20, but (I believe) makes the recovered audio nicer to listen to. Thanks to Wolf for this useful idea.

72

- - -

Peter G3XJS

- - - -

Via GQRP-L - The G-QRP Club mailing list

-----  
 | Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |



```
| QRPPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
| Compuserve:   70466.1405@compuserve.com |
|-----|
```

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Frank G3YCC" <g3ycc@enterprise.net>  
Subject: [2498] Re: Homebrew 80m DSB rig  
Message-ID: <199608121818.SAA09988@mail.enterprise.net>

Why not send it to me for my web page? It is exactly what I have been asking for, with not much in the way of replies.  
It would help if you could send me details of the circuit and the circuit itself in BMP, GIF, JPG whatever, or if all else fails a photocopy by post! A picture of the finished rig would be nice too.  
I look forward to hearing from you.

-----

Frank G3YCC  
Ham Radio QRP Web Page:  
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [2487] Re: How to send CW outside of a straight key.  
Message-ID: <22FE0E3201172C16@mhsgate.meth-mem.org>

>

> From: Craig LaBarge <74740.3166@CompuServe.COM>

>

>So, get on the air, have fun, and crank out that morse...by whatever  
>means suits  
>you!

>

>73, Craig WB3GCK

There are limits!, hi hi. Last year I was camping on the Current river in Missouri and I discovered that I somehow at left my key behind. I dismantled a set of cheap

earphones and used to plug and connecting wire to make-and-break a wire connection. I actually got to the point that I cud call CQ and had 1 brief QSO with a

station who was very sympathetic to my situation (word speed abt 3-5 wpm, hi hi),  
de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: David Adams <dave@flowserver.stem.com>  
Subject: [2512] Re: KC2 on Explorer (I) 40 probs  
Message-ID: <9608121837.AA01984@flowserver.stem.com>

Okay...any truth to the thought that a j309 is absolutely necessary  
and that an nte312 won't do? Anyone know where I can scam one in  
the bay area PDQ? Does anyone else out there love liverwurst the  
same as when they were kids?

73 de dave, n9uxu---

-----  
David J Adams                      N9UXU QRP-L #83  
dave@flowserver.stem.com        NorCal QRP #1442  
(415) 813-5028                  Flow Cytometry Specialist

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: burdick@interval.com (Wayne Burdick)  
Subject: [2535] Re: KC2 on Explorer (I) 40 probs  
Message-ID: <v0213050bae359a813c8c@[199.170.106.28]>

Hi Dave,

I'll take an initial stab at your problems. As far as I know, noone has  
installed a KC2 in an Explorer 1 (and of course I didn't include any info  
in the manual on it). But if you get it working, please send me all the  
details in KC2-manual format! Thanks in advance :)

>nte312

I don't know if this is an acceptable sub for the J309. Double-check the  
pinout--those NTE versions are notorious for swapping pins around!  
You'd know if you had it wrong: no VFO signal would get through. Another  
possible problem is that the NTE version may not have as high  
transconductance, which is important in this application.

> 2) Freq display does not change as one turns the vfo dial.

Could be the JFET, or you may not have enough signal. Try a larger cap at Cv.

> 3) Kicking into s meter mode (hit display button) blanks the  
> screen...no apparant s meter function regardless of signal...hitting  
> s2 again pops one back into freq as expected.

Look in the Operation section of the manual: it explains how to test the  
S-meter segments using the sensitivity control.

You also may have no S-meter input. Connect the output of the last AF  
amplifier that is PRE-AF GAIN control to the KC2 S-meter input. Adjust the  
sensitivity control.

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: Doug Henry <dhenry@SIRNet.mb.ca>  
Subject: [2472] Re: Meteor Scatter/Aug. 12th midnight to sunrise local time.  
Message-ID: <Pine.LNX.3.91.960811235349.4940A-100000@sir1.sirnet.mb.ca>

I just spent last hour checking clear sky. QTH is 50 km north of  
Winnipeg Mb. Normal activity observed, 2300h CDST, Doug VE4STD.

On Sun, 11 Aug 1996, Jay Miller wrote:

> Dear Fellow QRP Compadres,  
>  
> Don't forget from midnight local time, to sunrise (Monday, Aug. 12th)  
> is the peak of the Perseid Meteor Shower. There has been quite a bit of  
> discussion about this on the VHF reflector, but some of us, who  
> frequent this reflector, do work 6 meters QRP CW too. Sooo, listen in.  
>  
> 72...Jay, WA5WHN  
>

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [2504] RE: pcb track s/w  
Message-ID: <960812134355.20200d54@carib.vf.mmc.com>

Dear Ng ( think that's your first name :-),

You asked about shareware for pc board layout. I recommend that you check out

PADS. It is available from several FTP sites. Sorry but I don't have the addresses here at work. I found the sites by doing a search for PADS suing Altavista.

PADS has three sets of programs, one for schematic drawing, one for pc board layout and a group of libraries. Be sure to download all three. Be forewarned, though, two of them are over 1 meg in size and the other is about 400 k. Downloading can take a long time via modem...

What you download is zipped files, so they must be unzipped for installation. When yu use pkunzip, be sure to use the -d switch to restore the directory structure (Thanks to Brad, WB8Ygg for that tip!)

Oh yeah, they run on tthe IBM pc and clones.

Good luck and 72/73,

Joe E., N2CX

If you need further info, e-mail me directly at my home address:

n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: chuckolson@juno.com (Chuck Olson)  
Subject: [2505] Re: pcb track s/w  
Message-ID: <19960812.125310.4807.0.chuckolson@juno.com>

On Tue, 13 Aug 1996 01:08:33 +0800 (SST) Ng Heng Lee/Ghee  
<leeghee@singnet.com.sg> writes:

>hi gang,  
>i am trying to build a dip meter by i need to find a software that can  
>draw out the pcb track and print it out to a printer. anyone know of  
>software out there or any shareware which i can download ?? thanks.

Ng -

Try Easytrax from Protel. It's a DOS program, somewhat old but totally free and fairly easy to use. This is the one I'm currently using for a keyer project. It will output to an HP laserjet or plotter. It should run on most any PC.

You can get it from various places on the Internet or you might try the Philips Microcontroller BBS (800 451 6644) - I think it's in the file area under utilities - about 500k in size (zipped).

There are other programs you could consider such as the PADS demo or IVEX Winboard. The PADS demo is harder to use in my opinion but it does include a schematic capture program which I use (I like the output). Ivex's Winboard and Windraft are Windows based and the freeware versions only have a capacity of 100 pins. Both PADS and IVEX have sites on the Internet.

Best Regards,

Chuck  
WB9KZY  
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [2490] Re: RF Safety  
Message-ID: <2.2.16.19960812153300.20d7a522@eloi>

>It's just Bill Clinton's big government trying to AGAIN interfere with our  
>lives and trying to protect us from ourselves.

>

I didn't see Clinton's name mentioned ANYWHERE in the FCC proposal... you'd probably blame him if your neighbor's dog craped in your flower bed!

>Duffy - WB8NUT

The call says it all!! :-) :-)

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: scicior@cp.uswc.uswest.com (Steve Ciciora)  
Subject: [2511] Re: Slide Rules  
Message-ID: <9608121850.AA01221@sp5-316.nts.uswest.com>

> >

> >Simply using 10 fingers, one can count to 1024 (or represent numbers from  
> >0 to 1023). Using toes extends this to over 1 million, but I suspect that  
> >this would be a little too unwieldy for even the most dedicated...

> >

> >Dana KK6JQ

> >Dana@Source.Net

> >

>

> BUT.....I've never much got past the lonely 4 bit, and if I did the single 128

> bit got me. And if I managed to sneak past both the 4 and 128 bits the count  
> of 132 always got me.

I could never count past decimal 4 in binary on my hand without my wife  
slapping me...

-Steven Ciciora  
KB0PJF

From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Robert J. Gobrick" <rgobrick@nfld.com>  
Subject: [2525] Re: Time for a better 30m rig...  
Message-ID: <2.2.32.19960812213554.0099daa4@public.compuserve.nf.ca>

I knew my list was missing a few facts and I was advised by the "consumer  
watch" that I may have missed a few 30 meter rigs in my "sound bite" list:

Under 3 watts:

The MXM Simple Transceiver does have electronic QSK (there earlier Simple TX  
/RX did not) \$130+.

Over 3 watts:

Hands GQ-30 5+ watts - rig being developed - not yet available - \$160.

S&S Engineering - I was reminded that the new \$200 TAC-1 synthesized rig  
with digital display has electronic QSK (older ARK30 did not) but as far as  
I know Dick and Kathy have not come out with a 30 meter version of the TAC-1  
yet. Any updates?

Any other rigs out there I missed that meet the criteria that Doug was  
looking for?

Cheers 73/72 Bob V01DRB/WA6ERB

At 06:27 8/12/96 -0400, you wrote:

>At 08:05 PM 8/11/96 +0100, you wrote:

>>

>>consider your request for 30 meters, full electronic QSK, RIT etc that cuts  
>>out MFJ, S&S Engineering, MXM, Wilderness Norcal 40A, SWL SW-30 without

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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet: rgobrick@nfld.com |  
| Compuserve: 70466.1405@compuserve.com |
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From owner-qrp-1@Lehigh.EDU Mon Aug 12 23:13:01 1996  
From: "Dan Harriman" <KC5GXL@pnx.com>  
Subject: [2527] Re: Worked WAC on the WWW  
Message-ID: <199608122325.TAA38333@nss2.CC.Lehigh.EDU>

I'll bet that there was NO qrm,n,qsb, and all contacts were  
59. Where do I send for this WAS, etc. award on WWW?;-)  
Cheers es CUL dwn the HF log  
kc5gx1 aka dan